



NAYACEROS
Perfiles y Maquilas

EN TUS GRANDES PROYECTOS

Carretera Federal Tepic-Guadalajara 5251
Camichín de Jauja, 63508 Tepic, Nayarit, Mexico
Tels. 01 311 129 2042 - 01 311 129 2043
311 269 2270
www.nayaceros.com

**PRODUCTOS,
ESPECIFICACIONES
Y SERVICIOS**

ACERO Y TRANSFORMACIÓN



NAYACEROS
Perfiles y Maquilas



NAYACEROS
Perfiles y Maquilas



Misión

Satisfacer las necesidades de nuestros clientes mediante la fabricación y comercialización de nuestros productos de acero, contribuyendo así a un crecimiento sostenido y rentable de nuestro negocio en beneficio de nuestros clientes, proveedores, trabajadores y comunidad.

Visión

Consolidarnos como una empresa fuerte y líder en el mercado nacional en productos de acero, que satisfaga los requerimientos de nuestros clientes en cuanto a entregas oportunas, asistencia técnica y calidad de servicio, a través de un personal capacitado y entregado, logrando así su confianza para ser su mejor aliado.



BARRENADO

FERRETERÍA

Soldaduras
Abrasivos
Herramientas
y más...

CAJA DE VOLTEO



NAYACEROS nació en el año de 2007 y es una empresa dedicada a la comercialización y fabricación de aceros en todas sus formas y medidas; aceros especiales, laminados, forjados, doblados y otros insumos. Nuestros clientes pertenecen a todo el espectro metalmecánico, se distinguen dentro de nuestra clientela la industria de la construcción, automotriz, petrolera, gasífera, agroindustrial, etc. Nos caracterizamos por ser una empresa joven, con empuje y experiencia en el rubro de aceros para la industria metalúrgica, apostando siempre al crecimiento y constante innovación, pues creemos en la fuerza y capacidad de nuestra industria nacional. Actualmente Nayaceros se ha adaptado a las crecientes demandas del mercado, especificando cada vez más su servicio. Ofreciendo a nuestros clientes asesoramiento en cuanto a las especificaciones técnicas de los materiales ofrecidos y contando con maquinaria de corte, dobles, roscado, barrenado, servicio de nivelado de lámina y placa, corte en plasma CNC, servicio de soldadura y rolado de materiales a requisito de los clientes; de modo que encuentren en Nayaceros no sólo un proveedor sino un compañero de trabajo y negocios.

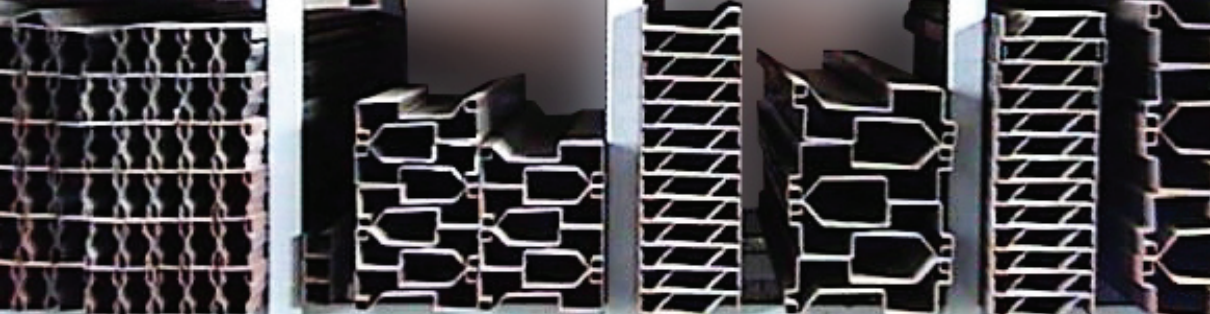


PIPAS CUALQUIER CAPACIDAD



NAYACEROS
Perfiles Y Maquilas

| | |
|--|----|
| Placa de Grado | 02 |
| Lámina de Rolado Caliente | 03 |
| Lámina de Rolado Frio / Placa de Rollo | 04 |
| Lámina Antiderrapante / Galvanizada Lisa | 05 |
| Canales / Vigas IPS | 06 |
| Vigas IPR | 07 |
| Ángulos | 10 |
| Soleras | 11 |
| Redondos y Cuadrados / Redondo Brillante | 12 |
| Polín | 13 |
| PTR | 14 |
| HSS | 15 |
| Tubería | 16 |
| Servicios | 17 |
| Rolados de Lámina y Placa | 18 |
| Rolado de Tubos, PTR, Soleras, Canal y Ángulo | 19 |
| Corte en Lámina y Placa / Dobles de Lámina y Placa | 20 |
| Corte con Plasma CNC | 21 |
| Dobles de Tubo / Roscado | 22 |
| Perfil Carrocero | 23 |
| Cajas de Voleto / Pipas | 24 |
| Barrenado | 25 |



**PERFIL CARROCERO
STANDARD Y ESPECIAL**



PLACA DE GRADO A-36, A-238°C, A-285°C, A-516°70
A-572°50, A-709°50, A-572°65, SAE 1045

| ESPESOR | | PESO | | PESO POR PLACA EN KILOS | | | | | | | | | | | |
|---------|------|---------|-----------|-------------------------|---------|----------|---------|----------|----------|----------|----------|----------|----------|----------|--|
| PULGADA | mm. | Kg / m2 | Kg / pie2 | 3' x 6' | 3' x 8' | 3' x 10' | 4' x 8' | 4' x 10' | 5' x 10' | 5' x 20' | 6' x 20' | 6' x 40' | 8' x 20' | 8' x 40' | |
| 3/16 | 4.8 | 37.78 | 4 | --- | *84 | 105 | *112 | 140 | 176 | 351 | 421 | --- | 562 | 1,123 | |
| 1/4 | 6.3 | 50.38 | 5 | --- | *112 | 140 | *150 | 187 | 234 | 468 | 562 | --- | 749 | --- | |
| 5/16 | 7.9 | 62.97 | 6 | --- | *140 | 176 | *187 | 234 | 293 | 585 | 702 | --- | 936 | --- | |
| 3/8 | 9.5 | 75.56 | 7 | --- | *168 | 211 | *225 | 281 | 351 | 702 | 842 | 1,685 | 1,123 | 2,246 | |
| 7/16 | 11.1 | 88.05 | 8 | --- | --- | 246 | --- | --- | --- | --- | 983 | --- | --- | --- | |
| 1/2 | 12.7 | 100.75 | 9 | --- | *225 | 281 | *300 | 374 | 468 | 936 | 1,123 | 2,246 | 1,498 | 2,995 | |
| 9/16 | 14.3 | 113.24 | 11 | --- | --- | *316 | --- | --- | --- | --- | 1,264 | --- | --- | --- | |
| 5/8 | 15.9 | 125.94 | 12 | 211 | 281 | 351 | 374 | 468 | 585 | 1,170 | 1,404 | 2,808 | 1,872 | 3,744 | |
| 3/4 | 19.0 | 151.12 | 14 | 253 | 337 | 421 | 449 | 562 | 702 | 1,404 | 1,685 | 3,370 | 2,246 | 4,493 | |
| 7/8 | 22.2 | 176.31 | 16 | --- | --- | *491 | --- | --- | --- | --- | 1,966 | --- | 2,621 | --- | |
| 1 | 25.4 | 201.50 | 19 | 337 | 449 | 562 | 599 | 749 | 936 | 1,872 | 2,246 | 4,493 | 2,995 | 5,990 | |
| 1 1/8 | 28.6 | 226.69 | 21 | --- | --- | 632 | --- | --- | --- | --- | 2,527 | --- | 3,370 | 6,739 | |
| 1 1/4 | 31.7 | 251.88 | 23 | --- | 562 | 702 | 749 | 936 | 1,170 | 2,340 | 2,808 | 5,616 | 3,744 | 7,488 | |
| 1 3/8 | 34.9 | 277.06 | 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4,118 | --- | |
| 1 1/2 | 38.1 | 302.25 | 28 | --- | 674 | 842 | 899 | 1,123 | 1,404 | 2,808 | 3,370 | --- | 4,493 | 8,986 | |
| 1 5/8 | 41.3 | 327.44 | 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4,867 | --- | |
| 1 3/4 | 44.4 | 352.62 | 33 | --- | --- | 983 | --- | --- | 1,872 | --- | 3,931 | --- | 5,242 | --- | |
| 2 | 50.8 | 403.00 | 37 | --- | 899 | 1,123 | 1,198 | 1,498 | --- | 3,744 | 4,493 | --- | 5,990 | 11,981 | |
| 2 1/4 | 57.1 | 453.38 | 42 | --- | --- | 1,264 | --- | 1,685 | --- | --- | 5,054 | --- | 6,739 | --- | |
| 2 1/2 | 63.5 | 503.75 | 47 | --- | --- | 1,404 | --- | 1,872 | --- | --- | 5,616 | --- | 7,488 | --- | |
| 2 3/4 | 69.8 | 554.12 | 51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,237 | --- | |
| 3 | 76.2 | 604.50 | 56 | --- | --- | 1,685 | --- | 2,246 | --- | --- | 6,739 | --- | 8,986 | --- | |

- Placa con dimensiones standard



DOBLES DE TUBO



ROSCADO



LÁMINA ROLADO CALIENTE

| CALIBRE | ESPESOR | | KG / HOJA | | | | | | PESO |
|---------|---------|-------|-----------|----------|---------|----------|----------|----------|---------|
| | Pulgada | mm. | 3' x 8' | 3' x 10' | 4' x 8' | 4' x 10' | 5' x 10' | 5' x 20' | kg / m2 |
| 7 | 0.180 | 4.572 | 81 | 101 | 108 | 135 | ----- | ----- | 36.27 |
| 8 | 0.165 | 4.191 | 74 | 93 | 99 | 124 | 155 | 309 | 33.25 |
| 9 | 0.150 | 3.810 | 67 | 84 | 90 | 112 | ----- | ----- | 30.23 |
| 10 | 0.135 | 3.429 | 61 | 76 | 81 | 101 | 126 | 253 | 27.20 |
| 11 | 0.120 | 3.048 | 54 | 67 | 72 | 90 | 112 | 225 | 24.18 |
| 12 | 0.105 | 2.667 | 47 | 59 | 63 | 79 | 98 | 197 | 21.16 |
| 13 | 0.090 | 2.286 | 40 | 51 | 54 | 67 | ----- | ----- | 18.14 |
| 14 | 0.075 | 1.905 | 34 | 42 | 45 | 56 | 70 | 140 | 15.11 |
| 16 | 0.060 | 1.524 | 27 | 34 | 36 | 45 | ----- | ----- | 12.09 |

Servicio de corte
a largo especial
SOBRE PEDIDO

PLACA DE ROLLO

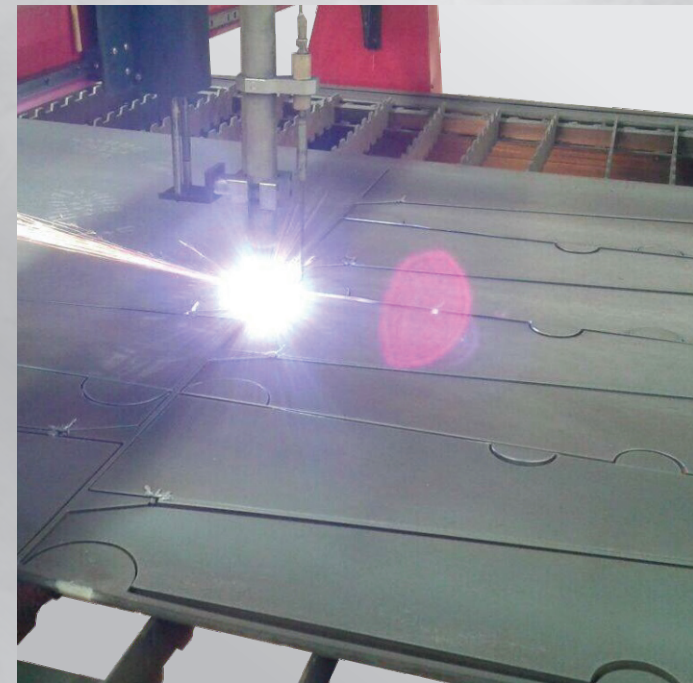
| ESPESOR | | PESO POR PLACA EN KILOS | | | | | | | | |
|---------|------|-------------------------|---------|----------|---------|----------|----------|----------|----------|----------|
| PULGADA | mm. | Kg / m2 | 3' x 8' | 3' x 10' | 4' x 8' | 4' x 10' | 5' x 10' | 5' x 20' | 6' x 20' | 8' x 20' |
| 3/16 | 4.8 | 37.78 | 84 | 105 | 112 | 140 | 176 | 351 | 421 | 562 |
| 1/4 | 6.3 | 50.38 | 112 | 140 | 150 | 187 | 234 | 468 | 562 | 749 |
| 5/16 | 7.9 | 62.97 | 140 | 176 | 187 | 234 | 293 | 585 | 702 | 936 |
| 3/8 | 9.5 | 75.56 | 168 | 211 | 225 | 281 | 351 | 702 | 842 | 1,123 |
| 7/16 | 11.1 | 88.05 | --- | 246 | --- | --- | --- | --- | 983 | --- |
| 1/2 | 12.7 | 100.75 | 225 | 281 | 300 | 374 | 468 | 936 | 1,123 | 1,498 |
| 9/16 | 14.3 | 113.24 | --- | 316 | --- | --- | --- | --- | 1,264 | --- |
| 5/8 | 15.9 | 125.94 | 281 | 351 | 374 | 468 | 585 | 1,170 | 1,404 | 1,872 |
| 3/4 | 19.0 | 151.12 | 337 | 421 | 449 | 562 | 702 | 1,404 | 1,685 | 2,246 |



LÁMINA ROLADO EN FRÍO

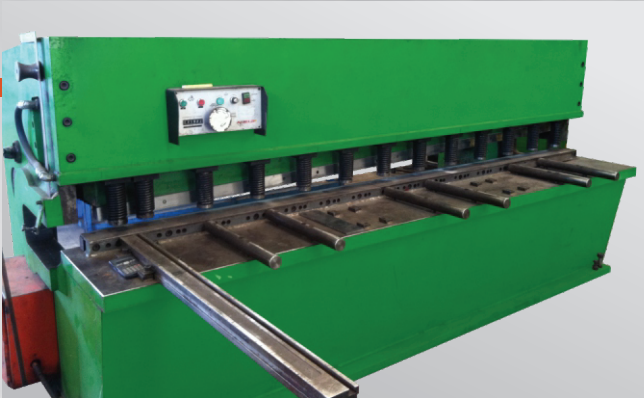
| CALIBRE | ESPESOR | | KG / HOJA | | | | PESO |
|---------|---------|-------|-----------|----------|---------|----------|---------|
| | Pulgada | mm. | 3' x 8' | 3' x 10' | 4' x 8' | 4' x 10' | kg / m2 |
| 14 | 0.075 | 1.905 | 34 | 42 | 45 | 56 | 15.11 |
| 16 | 0.060 | 1.524 | 27 | 34 | 36 | 45 | 12.09 |
| 18 | 0.048 | 1.219 | 22 | 27 | 29 | 36 | 9.67 |
| 20 | 0.036 | 0.914 | 16 | 20 | 22 | 27 | 7.25 |
| 22 | 0.030 | 0.762 | 13 | 17 | 18 | 22 | 6.05 |
| 24 | 0.024 | 0.610 | 11 | 13 | 14 | 18 | 4.84 |

CORTE CON PLASMA CNC





CORTE EN LAMINA Y PLACA



DOBLES EN LAMINA Y PLACA

LÁMINA ANTIDERRAPANTE

| CALIBRE | ESPESOR | | KG / HOJA | | | | PESO kg / m2 |
|---------|---------|-------|-----------|----------|----------|----------|-----------------|
| | Pulgada | mm. | 3' x 10' | 4' x 10' | 5' x 10' | 5' x 20' | |
| 14 | 0.075 | 1.905 | 51 | 68 | ----- | ----- | 18.31 |
| 12 | 0.105 | 2.667 | 71 | 95 | ----- | ----- | 25.63 |
| 1/8 | 0.125 | 3.175 | 84 | 112 | 139 | 279 | 30.02 |
| 3/16 | 0.188 | 4.775 | 118 | 158 | 197 | 395 | 42.47 |
| 1/4 | 0.250 | 6.350 | 153 | 204 | 255 | 510 | 54.92 |
| 3/8 | 0.375 | 9.525 | ----- | 297 | ----- | ----- | 79.82 |

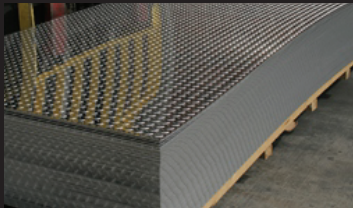
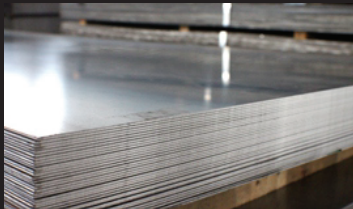


LÁMINA ANTIDERRAPANTE

GALVANIZADA LISA

| CALIBRE | ESPESOR | | KG / M LINEAL | | PESO / HOJA (KG) | | | |
|---------|---------|--------|---------------|-------|------------------|----------|---------|----------|
| | Pulgada | mm. | 3' | 4' | 3' x 8' | 3' x 10' | 4' x 8' | 4' x 10' |
| 14 | 1.935 | 0.0762 | 13.87 | 18.50 | 34 | 42 | 45 | 56 |
| 16 | 1.557 | 0.0613 | 11.15 | 14.87 | 27 | 34 | 36 | 45 |
| 18 | 1.252 | 0.0493 | 8.97 | 11.96 | 22 | 27 | 29 | 36 |
| 20 | 0.950 | 0.0374 | 6.80 | 9.06 | 17 | 21 | 22 | 28 |
| 22 | 0.798 | 0.0314 | 5.70 | 7.60 | 14 | 17 | 19 | 23 |
| 24 | 0.569 | 0.0224 | 4.06 | 5.42 | 10 | 12 | 13 | 17 |
| 26 | 0.493 | 0.0194 | 3.52 | 4.69 | 9 | 11 | 11 | 14 |



GALVANIZADA LISA



ROLADO DE TUBOS, PTR, SOLERAS, CANAL Y ÁNGULO

CANALES

| PERFIL | | PESO | | ANCHO DEL PATÍN | | ESPESOR DEL PATÍN | | ESPESOR DEL ALMA | |
|---------|-------|--------|----------|-----------------|-----|-------------------|------|------------------|------|
| Pulgada | mm. | kg / m | lbs / ft | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. |
| 3 | 76.2 | 5.20 | 3.50 | 1.372 | 35 | 0.273 | 6.9 | 0.132 | 3.4 |
| | | 6.10 | 4.10 | 1.410 | 36 | 0.273 | 6.9 | 0.170 | 4.3 |
| 4 | 101.6 | 6.70 | 4.50 | 1.584 | 40 | 0.296 | 7.5 | 0.125 | 3.2 |
| | | 8.04 | 5.40 | 1.584 | 40 | 0.296 | 7.5 | 0.184 | 4.7 |
| 5 | 127.0 | 9.97 | 6.70 | 1.750 | 44 | 0.320 | 8.1 | 0.190 | 4.8 |
| 6 | 152.4 | 12.20 | 8.20 | 1.920 | 48 | 0.343 | 8.7 | 0.200 | 5.1 |
| | | 15.63 | 10.50 | 2.034 | 51 | 0.343 | 8.7 | 0.314 | 8.0 |
| 7 | 177.8 | 19.35 | 13.00 | 2.157 | 55 | 0.343 | 8.7 | 0.437 | 11.1 |
| | | 14.60 | 9.80 | 2.090 | 53 | 0.366 | 9.3 | 0.210 | 5.3 |
| 8 | 203.2 | 17.11 | 11.50 | 2.260 | 57 | 0.390 | 9.9 | 0.220 | 5.6 |
| | | 20.46 | 13.75 | 2.343 | 59 | 0.390 | 9.9 | 0.303 | 7.7 |
| 10 | 254.0 | 27.90 | 18.75 | 2.527 | 64 | 0.390 | 9.9 | 0.487 | 12.4 |
| | | 22.76 | 15.30 | 2.600 | 65 | 0.436 | 11.1 | 0.240 | 6.1 |
| 12 | 304.8 | 29.76 | 20.00 | 2.739 | 69 | 0.436 | 11.1 | 0.379 | 9.6 |
| | | 37.20 | 25.00 | 2.886 | 73 | 0.436 | 11.1 | 0.526 | 13.4 |
| 15 | 381.0 | 44.64 | 30.00 | 3.033 | 76 | 0.436 | 11.1 | 0.673 | 17.1 |
| | | 30.80 | 20.70 | 2.942 | 74 | 0.501 | 12.7 | 0.282 | 7.2 |
| 15 | 381.0 | 37.20 | 25.00 | 3.047 | 77 | 0.501 | 12.7 | 0.387 | 9.8 |
| | | 44.64 | 30.00 | 3.170 | 80 | 0.501 | 12.7 | 0.510 | 13.0 |
| 15 | 381.0 | 50.40 | 33.90 | 3.400 | 86 | 0.650 | 16.5 | 0.400 | 10.2 |
| | | 59.53 | 40.00 | 3.520 | 89 | 0.650 | 16.5 | 0.520 | 13.2 |
| 15 | 381.0 | 74.50 | 50.00 | 3.716 | 94 | 0.650 | 16.5 | 0.710 | 18.2 |

En largos de 6.10 y 12.20 mts.

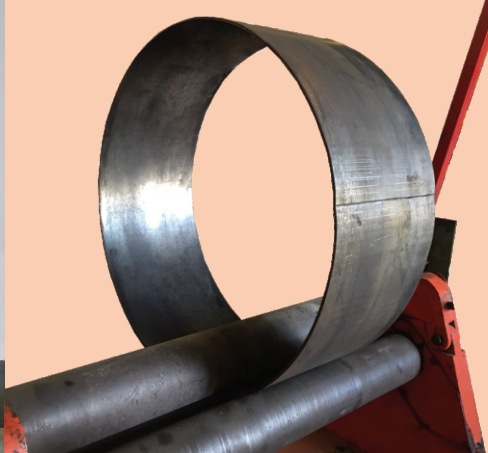
VIGAS IPS

| PERALTE | | PESO | | ANCHO DEL PATÍN | | ESPESOR DEL ALMA | |
|---------|-------|--------|---------|-----------------|-----|------------------|-----|
| Pulgada | mm. | kg / m | lb / ft | Pulgada | mm. | Pulgada | mm. |
| 3 | 76.2 | 8.48 | 5.7 | 2.33 | 59 | 0.17 | 4 |
| 4 | 101.6 | 11.46 | 7.7 | 2.66 | 68 | 0.19 | 5 |
| 5 | 127.0 | 14.88 | 10.0 | 3.00 | 76 | 0.21 | 5 |
| 6 | 152.4 | 18.60 | 12.5 | 3.33 | 85 | 0.23 | 6 |
| 8 | 203.2 | 27.38 | 18.4 | 4.00 | 102 | 0.27 | 7 |





ROLADO DE LAMINA Y PLACA



VIGAS IPR

| DIMENSIONES | | PESO | | PERALTE | | ANCHO DEL PATIN | | ESPESOR DEL PATIN | | ESPESOR DEL ALMA | |
|--------------|---------------|--------|---------|---------|-----|-----------------|-----|-------------------|------|------------------|------|
| Pulgada | mm. | kg / m | lb / ft | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. |
| 4" x 4" | 101.6 x 101.6 | 19.3 | 13 | 4.16 | 106 | 4.06 | 103 | 0.35 | 8.9 | 0.28 | 7.1 |
| | | 23.8 | 16 | 5.01 | 127 | 5.00 | 127 | 0.36 | 9.1 | 0.24 | 6.1 |
| | | 28.3 | 19 | 5.15 | 131 | 5.03 | 128 | 0.43 | 10.9 | 0.27 | 6.9 |
| 6" x 4" | 152.4 x 101.6 | 12.7 | 8.5 | 5.83 | 148 | 3.94 | 100 | 0.19 | 4.8 | 0.17 | 4.3 |
| | | 13.4 | 9 | 5.90 | 150 | 3.94 | 100 | 0.22 | 5.6 | 0.17 | 4.3 |
| | | 17.9 | 12 | 6.03 | 153 | 4.00 | 102 | 0.28 | 7.1 | 0.23 | 5.8 |
| 6" x 6" | 152.4 x 152.4 | 23.8 | 16 | 6.28 | 160 | 4.03 | 102 | 0.41 | 10.4 | 0.26 | 6.6 |
| | | 22.3 | 15 | 5.99 | 152 | 5.99 | 152 | 0.26 | 6.6 | 0.23 | 5.8 |
| | | 29.8 | 20 | 6.20 | 157 | 6.02 | 153 | 0.37 | 9.4 | 0.26 | 6.6 |
| 8" x 4" | 203.2 x 101.6 | 37.2 | 25 | 6.38 | 162 | 6.08 | 154 | 0.46 | 11.7 | 0.32 | 8.1 |
| | | 14.9 | 10 | 7.89 | 200 | 3.94 | 100 | 0.21 | 5.3 | 0.17 | 4.3 |
| | | 19.3 | 13 | 7.99 | 203 | 4.00 | 102 | 0.26 | 6.6 | 0.23 | 5.8 |
| 8" x 5 1/4" | 203.2 x 133.3 | 22.3 | 15 | 8.11 | 206 | 4.02 | 102 | 0.32 | 8.1 | 0.25 | 6.3 |
| | | 26.8 | 18 | 8.14 | 207 | 5.25 | 133 | 0.33 | 8.4 | 0.23 | 5.8 |
| | | 31.3 | 21 | 8.28 | 210 | 5.27 | 134 | 0.40 | 10.2 | 0.25 | 6.3 |
| 8" x 6 1/2" | 203.2 x 165.1 | 35.7 | 24 | 7.93 | 201 | 6.50 | 165 | 0.40 | 10.2 | 0.25 | 6.3 |
| | | 41.7 | 28 | 8.06 | 205 | 6.54 | 166 | 0.47 | 11.9 | 0.29 | 7.4 |
| | | 46.1 | 31 | 8.00 | 203 | 8.00 | 203 | 0.44 | 11.2 | 0.29 | 7.4 |
| 8" x 8" | 203.2 x 203.2 | 52.1 | 35 | 8.12 | 206 | 8.02 | 204 | 0.50 | 12.7 | 0.31 | 7.9 |
| | | 59.5 | 40 | 8.25 | 210 | 8.07 | 205 | 0.56 | 14.2 | 0.36 | 9.1 |
| | | 71.4 | 48 | 8.50 | 216 | 8.11 | 206 | 0.69 | 17.4 | 0.40 | 10.2 |
| 10" x 4" | 254.0 x 101.6 | 17.9 | 12 | 9.87 | 251 | 3.96 | 101 | 0.21 | 5.3 | 0.19 | 4.8 |
| | | 22.3 | 15 | 9.99 | 254 | 4.00 | 102 | 0.27 | 6.9 | 0.23 | 5.8 |
| | | 25.3 | 17 | 10.11 | 257 | 4.01 | 102 | 0.33 | 8.4 | 0.24 | 6.1 |
| 10" x 5 3/4" | 254.0 x 146.0 | 28.3 | 19 | 10.24 | 260 | 4.02 | 102 | 0.40 | 10.2 | 0.25 | 6.3 |
| | | 32.7 | 22 | 10.17 | 258 | 5.75 | 146 | 0.36 | 9.1 | 0.24 | 6.1 |
| | | 38.7 | 26 | 10.33 | 262 | 5.77 | 147 | 0.44 | 11.2 | 0.26 | 6.6 |
| 10" x 8" | 254.0 x 203.2 | 44.6 | 30 | 10.47 | 266 | 5.81 | 148 | 0.51 | 13.0 | 0.30 | 7.6 |
| | | 49.1 | 33 | 9.73 | 247 | 7.96 | 202 | 0.44 | 11.2 | 0.29 | 7.4 |
| | | 58.0 | 39 | 9.92 | 252 | 7.99 | 203 | 0.53 | 13.5 | 0.32 | 8.1 |
| 10" x 10" | 254.0 x 254.0 | 67.0 | 45 | 10.10 | 257 | 8.02 | 204 | 0.62 | 15.7 | 0.35 | 8.9 |
| | | 72.9 | 49 | 9.98 | 253 | 10.00 | 254 | 0.56 | 14.2 | 0.34 | 8.6 |
| | | 80.4 | 54 | 10.09 | 256 | 10.03 | 255 | 0.62 | 15.7 | 0.37 | 9.4 |
| 12" x 4" | 304.8 x 101.6 | 89.4 | 60 | 10.22 | 260 | 10.08 | 256 | 0.68 | 17.3 | 0.42 | 10.7 |
| | | 101.2 | 68 | 10.40 | 264 | 10.13 | 257 | 0.77 | 19.6 | 0.47 | 11.9 |
| | | 20.8 | 14 | 11.91 | 303 | 3.97 | 101 | 0.23 | 5.8 | 0.20 | 5.1 |
| 12" x 6 1/2" | 304.8 x 165.1 | 23.8 | 16 | 11.99 | 305 | 3.99 | 101 | 0.27 | 6.9 | 0.22 | 5.6 |
| | | 28.3 | 19 | 12.16 | 309 | 4.01 | 102 | 0.35 | 8.9 | 0.24 | 6.1 |
| | | 32.7 | 22 | 12.31 | 313 | 4.03 | 102 | 0.43 | 10.9 | 0.26 | 6.6 |
| 12" x 8" | 304.8 x 203.2 | 38.7 | 26 | 12.22 | 310 | 6.49 | 165 | 0.38 | 9.7 | 0.23 | 5.8 |
| | | 44.6 | 30 | 12.34 | 313 | 6.52 | 166 | 0.44 | 11.2 | 0.26 | 6.6 |
| | | 52.1 | 35 | 12.50 | 317 | 6.56 | 167 | 0.52 | 13.2 | 0.30 | 7.6 |
| 12" x 8" | 304.8 x 203.2 | 59.5 | 40 | 11.94 | 303 | 8.01 | 203 | 0.52 | 13.2 | 0.30 | 7.6 |
| | | 67.0 | 45 | 12.06 | 306 | 8.05 | 204 | 0.58 | 14.7 | 0.34 | 8.6 |
| | | 74.4 | 50 | 12.19 | 310 | 8.08 | 205 | 0.64 | 16.3 | 0.37 | 9.4 |

VIGAS IPR

| DIMENSIONES | | PESO | | PERALTE | | ANCHO DEL PATÍN | | ESPESOR DEL PATÍN | | ESPESOR DEL ALMA | |
|---------------|---------------|--------|---------|---------|-----|-----------------|-----|-------------------|------|------------------|------|
| Pulgada | mm. | kg / m | lb / ft | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. |
| 12" x 10" | 304.8 x 254.0 | 78.9 | 53 | 12.06 | 306 | 10.00 | 254 | 0.58 | 14.7 | 0.35 | 8.9 |
| | | 86.3 | 58 | 12.19 | 310 | 10.01 | 254 | 0.64 | 16.3 | 0.36 | 9.1 |
| 12" x 12" | 304.8 x 304.8 | 96.7 | 65 | 12.12 | 308 | 12.00 | 305 | 0.61 | 15.5 | 0.39 | 9.9 |
| | | 107.1 | 72 | 12.25 | 311 | 12.04 | 306 | 0.67 | 17.0 | 0.43 | 10.9 |
| | | 117.6 | 79 | 12.38 | 314 | 12.08 | 307 | 0.74 | 18.8 | 0.47 | 11.9 |
| | | 129.6 | 87 | 12.53 | 318 | 12.13 | 308 | 0.81 | 20.6 | 0.52 | 13.1 |
| | | 142.9 | 96 | 12.71 | 323 | 12.16 | 309 | 0.90 | 22.9 | 0.55 | 14.0 |
| | | 157.9 | 106 | 12.89 | 327 | 12.22 | 310 | 0.99 | 25.1 | 0.61 | 15.5 |
| 14" x 5" | 355.6 x 127.0 | 178.6 | 120 | 13.12 | 333 | 12.32 | 313 | 1.10 | 28.1 | 0.71 | 18.0 |
| | | 32.7 | 22 | 13.74 | 349 | 5.00 | 127 | 0.34 | 8.6 | 0.23 | 5.8 |
| | | 38.7 | 26 | 13.91 | 353 | 5.03 | 128 | 0.42 | 10.7 | 0.26 | 6.6 |
| 14" x 6 3/4" | 355.6 x 171.4 | 44.6 | 30 | 13.84 | 352 | 6.73 | 171 | 0.39 | 9.9 | 0.27 | 6.9 |
| | | 50.6 | 34 | 13.98 | 355 | 6.75 | 171 | 0.46 | 11.7 | 0.29 | 7.4 |
| | | 56.5 | 38 | 14.10 | 358 | 6.77 | 172 | 0.52 | 13.2 | 0.31 | 7.9 |
| 14" x 8" | 355.6 x 203.2 | 64.0 | 43 | 13.66 | 347 | 8.00 | 203 | 0.53 | 13.5 | 0.31 | 7.9 |
| | | 71.4 | 48 | 13.79 | 350 | 8.03 | 204 | 0.60 | 15.2 | 0.34 | 8.6 |
| 14" x 10" | 355.6 x 254.0 | 78.9 | 53 | 13.92 | 354 | 8.06 | 205 | 0.66 | 16.8 | 0.37 | 9.4 |
| | | 90.8 | 61 | 13.89 | 353 | 10.00 | 254 | 0.65 | 16.5 | 0.38 | 9.7 |
| | | 101.2 | 68 | 14.04 | 357 | 10.04 | 255 | 0.72 | 18.3 | 0.42 | 10.7 |
| | | 110.1 | 74 | 14.17 | 360 | 10.07 | 256 | 0.79 | 20.1 | 0.45 | 11.4 |
| 14" x 14 1/2" | 355.6 x 368.3 | 122.0 | 82 | 14.31 | 363 | 10.13 | 257 | 0.86 | 21.8 | 0.51 | 13.0 |
| | | 133.9 | 90 | 14.02 | 356 | 14.52 | 369 | 0.71 | 18.0 | 0.44 | 11.2 |
| | | 147.3 | 99 | 14.16 | 360 | 14.57 | 370 | 0.78 | 19.8 | 0.49 | 12.4 |
| | | 162.2 | 109 | 14.32 | 364 | 14.61 | 371 | 0.86 | 21.8 | 0.53 | 13.5 |
| | | 178.6 | 120 | 14.48 | 368 | 14.67 | 373 | 0.94 | 23.9 | 0.59 | 15.0 |
| | | 196.4 | 132 | 14.66 | 372 | 14.73 | 374 | 1.03 | 26.2 | 0.65 | 16.5 |
| 14" x 16" | 355.6 x 406.4 | 215.8 | 145 | 14.78 | 375 | 15.50 | 394 | 1.09 | 27.7 | 0.68 | 17.3 |
| | | 236.6 | 159 | 14.98 | 380 | 15.57 | 395 | 1.19 | 30.2 | 0.75 | 19.0 |
| | | 261.9 | 176 | 15.22 | 387 | 15.65 | 398 | 1.31 | 33.3 | 0.83 | 21.1 |
| | | 287.2 | 193 | 15.48 | 393 | 15.71 | 399 | 1.44 | 36.6 | 0.89 | 22.6 |
| | | 314.0 | 211 | 15.72 | 399 | 15.80 | 401 | 1.56 | 39.6 | 0.98 | 24.9 |
| | | 346.7 | 233 | 16.04 | 407 | 15.89 | 404 | 1.72 | 43.7 | 1.07 | 27.2 |
| | | 382.4 | 257 | 16.38 | 416 | 15.99 | 406 | 1.89 | 48.0 | 1.17 | 29.7 |
| | | 421.1 | 283 | 16.74 | 425 | 16.11 | 409 | 2.07 | 52.6 | 1.29 | 32.8 |
| | | 462.8 | 311 | 17.12 | 434 | 16.23 | 412 | 2.26 | 57.4 | 1.41 | 35.8 |
| | | 38.7 | 26 | 15.69 | 399 | 5.50 | 140 | 0.35 | 8.9 | 0.25 | 6.3 |
| 16" x 5 1/2" | 406.4 x 139.7 | 46.1 | 31 | 15.88 | 403 | 5.53 | 140 | 0.44 | 11.2 | 0.28 | 7.1 |
| | | 53.6 | 36 | 15.86 | 403 | 6.99 | 178 | 0.43 | 10.9 | 0.30 | 7.6 |
| 16" x 7" | 406.4 x 177.8 | 59.5 | 40 | 16.01 | 407 | 7.00 | 178 | 0.51 | 13.0 | 0.31 | 7.9 |
| | | 67.0 | 45 | 16.13 | 410 | 7.04 | 179 | 0.57 | 14.5 | 0.35 | 8.9 |
| | | 74.4 | 50 | 16.26 | 413 | 7.07 | 180 | 0.63 | 16.0 | 0.38 | 9.7 |
| | | 84.8 | 57 | 16.43 | 417 | 7.12 | 181 | 0.72 | 18.3 | 0.43 | 10.9 |
| 16" x 10 1/4" | 406.4 x 260.3 | 99.7 | 67 | 16.33 | 415 | 10.24 | 260 | 0.67 | 17.0 | 0.40 | 10.2 |
| | | 114.6 | 77 | 16.52 | 420 | 10.30 | 262 | 0.76 | 19.3 | 0.46 | 11.7 |
| | | 132.6 | 89 | 16.75 | 425 | 10.37 | 263 | 0.88 | 22.2 | 0.53 | 13.3 |
| | | 149.0 | 100 | 16.97 | 431 | 10.43 | 265 | 0.99 | 25.0 | 0.59 | 14.9 |
| 18" x 6" | 457.2 x 152.4 | 52.1 | 35 | 17.70 | 450 | 6.00 | 152 | 0.43 | 10.9 | 0.30 | 7.6 |
| | | 59.5 | 40 | 17.90 | 455 | 6.02 | 153 | 0.53 | 13.5 | 0.32 | 8.1 |
| | | 68.4 | 46 | 18.06 | 459 | 6.06 | 154 | 0.61 | 15.5 | 0.36 | 9.1 |
| 18" x 7 1/2" | 457.2 x 190.5 | 74.4 | 50 | 17.99 | 457 | 7.50 | 190 | 0.57 | 14.5 | 0.36 | 9.1 |
| | | 81.8 | 55 | 18.11 | 460 | 7.53 | 191 | 0.63 | 16.0 | 0.39 | 9.9 |
| | | 89.3 | 60 | 18.24 | 463 | 7.56 | 192 | 0.70 | 17.8 | 0.42 | 10.7 |
| | | 96.7 | 65 | 18.35 | 466 | 7.59 | 193 | 0.75 | 19.0 | 0.45 | 11.4 |
| | | 105.6 | 71 | 18.47 | 469 | 7.64 | 194 | 0.81 | 20.6 | 0.50 | 12.7 |
| | | 113.1 | 76 | 18.21 | 463 | 11.04 | 280 | 0.68 | 17.3 | 0.43 | 10.9 |
| 18" x 11" | 457.2 x 279.4 | 128.0 | 86 | 18.39 | 467 | 11.09 | 282 | 0.77 | 19.6 | 0.48 | 12.2 |
| | | 144.3 | 97 | 18.59 | 472 | 11.15 | 283 | 0.87 | 22.1 | 0.54 | 13.7 |
| | | 157.7 | 106 | 18.73 | 476 | 11.20 | 284 | 0.94 | 23.9 | 0.59 | 15.0 |
| | | 177.1 | 119 | 18.97 | 482 | 11.27 | 286 | 1.06 | 26.9 | 0.66 | 16.8 |

NOTA:

Vigas no incluidas en esta tabla, favor de solicitar cotización



NAYACEROS
Perfiles y maquilas

SERVICIOS

En NAYACEROS nos comprometemos a brindarles nuestros mejores servicios.



TUBERÍA

| CED No. | DIÁMETRO NOMINAL | | DIÁMETRO EXTERIOR (D) | | ESPESOR (T) | | CALIBRE | PESO | | ÁREA | MOMENTO DE INERCIA | MÓDULO DE SECCIÓN | RADIO DE GIRO |
|---------|------------------|-----|-----------------------|--------|-------------|-------|---------|-------|----------|--------|--------------------|-------------------|---------------|
| | pulg. | mm. | pulg. | mm. | pulg. | mm. | | kg/m | kg/pieza | | | | |
| 30 | 1/2" | 13 | 0.840 | 21.34 | 0.075 | 1.905 | 14 | 0.91 | 5.46 | 1.163 | 0.55 | 0.519 | 0.69 |
| | 3/4" | 19 | 1.050 | 26.67 | 0.075 | 1.905 | 14 | 1.16 | 6.96 | 1.482 | 1.14 | 0.857 | 0.878 |
| | 1" | 25 | 1.315 | 33.40 | 0.075 | 1.905 | 14 | 1.56 | 9.36 | 1.885 | 2.35 | 1.405 | 1.116 |
| | 1 1/4" | 32 | 1.660 | 42.16 | 0.090 | 2.286 | 13 | 2.35 | 14.10 | 2.864 | 5.71 | 2.709 | 1.412 |
| | 1 1/2" | 38 | 1.900 | 48.26 | 0.090 | 2.286 | 13 | 2.71 | 16.26 | 3.302 | 8.75 | 3.624 | 1.627 |
| | 2" | 51 | 2.375 | 60.33 | 0.105 | 2.667 | 12 | 3.96 | 23.76 | 4.831 | 20.12 | 6.670 | 2.041 |
| | 2 1/2" | 64 | 2.875 | 73.03 | 0.105 | 2.667 | 12 | 4.84 | 29.04 | 6.967 | 42.58 | 11.662 | 2.472 |
| | 3" | 76 | 3.500 | 88.90 | 0.120 | 3.048 | 11 | 6.75 | 40.50 | 8.551 | 78.65 | 17.695 | 3.033 |
| | 4" | 102 | 4.500 | 114.30 | 0.120 | 3.048 | 11 | 8.74 | 52.44 | 11.084 | 171.24 | 29.962 | 3.93 |
| | 5" | 127 | 5.000 | 127.00 | 0.125 | 3.175 | 1/8" | 9.69 | 58.14 | 12.351 | 236.87 | 37.303 | 4.379 |
| 40 | 6 5/8" | 168 | 6.625 | 168.30 | 0.188 | 4.780 | 3/16" | 19.23 | 115.38 | 24.528 | 820.30 | 97.495 | 5.783 |
| | 1/2" | 13 | 0.840 | 21.34 | 0.109 | 2.769 | 12 | 1.27 | 7.62 | 1.615 | 0.71 | 0.667 | 0.664 |
| | 3/4" | 19 | 1.050 | 26.67 | 0.113 | 2.870 | 12 | 1.68 | 10.08 | 2.146 | 1.54 | 1.156 | 0.848 |
| | 1" | 25 | 1.315 | 33.40 | 0.133 | 3.378 | 10 | 2.65 | 15.90 | 3.186 | 3.64 | 2.177 | 1.068 |
| | 1 1/4" | 32 | 1.660 | 42.16 | 0.135 | 3.429 | 10 | 3.49 | 20.94 | 4.313 | 8.10 | 3.844 | 1.371 |
| | 1 1/2" | 38 | 1.900 | 48.26 | 0.145 | 3.683 | 9 | 4.37 | 26.22 | 5.158 | 12.90 | 5.346 | 1.581 |
| | 2" | 51 | 2.375 | 60.33 | 0.154 | 3.912 | 9 | 5.55 | 33.30 | 6.932 | 27.71 | 9.187 | 1.999 |
| | 2 1/2" | 64 | 2.875 | 73.03 | 0.188 | 4.775 | 3/16" | 8.43 | 50.58 | 10.994 | 63.67 | 17.436 | 2.406 |
| | 3" | 76 | 3.500 | 88.90 | 0.220 | 5.588 | 5 | 12.25 | 73.50 | 14.377 | 125.58 | 28.253 | 2.955 |
| | 4" | 102 | 4.500 | 114.30 | 0.220 | 5.588 | 5 | 15.98 | 95.88 | 20.478 | 301.04 | 52.676 | 3.834 |
| | 6 5/8" | 168 | 6.625 | 168.28 | 0.280 | 7.112 | 9/32" | 29.65 | 177.90 | 36.009 | 1171.37 | 139.220 | 5.704 |

| DESCRIPCIÓN | | DIÁMETRO EXTERIOR | ESPESOR DE PARED | PESO EXTREMO LISO | | DIAMETRO INTERIOR | ÁREA | | MOMENTO DE INERCIA | MÓDULO DE SECCIÓN | RADIO DE GIRO |
|----------------|-------|-------------------|------------------|-------------------|------------|-------------------|-------|-------|--------------------|-------------------|---------------|
| Tamaño nominal | Pared | D (pulg.) | t (pulg.) | (lb/pie) | Wpe (kg/m) | d (pulg) | pulg2 | cm2 | cm4 | cm3 | cm |
| 8 5/8 | 40 E | 8.625 | 0.188 | 16.94 | 25.21 | 8.249 | 4.98 | 32.15 | 1843.14 | 168.27 | 7.58 |
| 8 5/8 | | 8.625 | 0.250 | 22.36 | 33.28 | 8.125 | 6.58 | 42.44 | 2398.29 | 218.95 | 7.52 |
| 8 5/8 | | 8.625 | 0.322 | 28.55 | 42.49 | 7.981 | 8.40 | 54.19 | 3011.86 | 274.96 | 7.46 |
| 8 5/8 | | 8.625 | 0.375 | 33.04 | 49.17 | 7.875 | 9.72 | 62.71 | 3442.79 | 314.30 | 7.42 |
| 10 3/4 | 40 E | 10.750 | 0.250 | 28.04 | 41.73 | 10.250 | 8.25 | 53.20 | 4724.71 | 346.07 | 9.43 |
| 10 3/4 | | 10.750 | 0.307 | 34.24 | 50.96 | 10.136 | 10.07 | 64.98 | 5709.66 | 418.21 | 9.38 |
| 10 3/4 | | 10.750 | 0.365 | 40.48 | 60.24 | 10.020 | 11.91 | 76.83 | 6678.35 | 489.17 | 9.33 |
| 12 3/4 | | 12.750 | 0.188 | 25.22 | 37.53 | 12.374 | 7.42 | 47.87 | 6082.08 | 375.61 | 11.28 |
| 12 3/4 | E | 12.750 | 0.250 | 33.38 | 49.68 | 12.250 | 9.82 | 63.34 | 7970.12 | 492.21 | 11.23 |
| 12 3/4 | | 12.750 | 0.375 | 49.56 | 73.75 | 12.000 | 14.58 | 94.06 | 11606.10 | 716.76 | 11.12 |

VIGAS IPR

| DIMENSIONES | | PESO | | PERALTE | | ANCHO DEL PATÍN | | ESPESOR DEL PATÍN | | ESPESOR DEL ALMA | |
|---------------|---------------|--------|---------|---------|-----|-----------------|-----|-------------------|------|------------------|------|
| Pulgada | mm. | kg / m | lb / ft | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. | Pulgada | mm. |
| 21" x 6 1/2" | 533.4 x 165.1 | 65.5 | 44 | 20.66 | 525 | 6.50 | 165 | 0.45 | 11.4 | 0.35 | 8.9 |
| | | 74.4 | 50 | 20.83 | 529 | 6.53 | 166 | 0.54 | 13.7 | 0.38 | 9.7 |
| 21" x 8 1/4" | 533.4 x 209.5 | 84.8 | 57 | 21.06 | 534 | 6.56 | 166 | 0.65 | 16.5 | 0.41 | 10.4 |
| | | 92.3 | 62 | 20.99 | 533 | 8.24 | 209 | 0.62 | 15.7 | 0.40 | 10.2 |
| | | 101.2 | 68 | 21.13 | 537 | 8.27 | 210 | 0.69 | 17.5 | 0.43 | 10.9 |
| | | 108.7 | 73 | 21.24 | 539 | 8.30 | 211 | 0.74 | 18.8 | 0.46 | 11.6 |
| 21" x 12 1/4" | 533.4 x 311.1 | 123.5 | 83 | 21.43 | 544 | 8.36 | 212 | 0.84 | 21.3 | 0.52 | 13.2 |
| | | 138.4 | 93 | 21.62 | 549 | 8.42 | 214 | 0.93 | 23.6 | 0.58 | 14.7 |
| | | 150.3 | 101 | 21.36 | 543 | 12.29 | 312 | 0.80 | 20.3 | 0.50 | 12.7 |
| | | 165.2 | 111 | 21.51 | 546 | 12.34 | 313 | 0.88 | 22.4 | 0.55 | 14.0 |
| 24" x 7" | 609.6 x 177.8 | 181.5 | 122 | 21.68 | 551 | 12.39 | 315 | 0.96 | 24.4 | 0.60 | 15.2 |
| | | 196.7 | 132 | 21.83 | 554 | 12.44 | 316 | 1.04 | 26.3 | 0.65 | 16.5 |
| | | 218.7 | 147 | 22.06 | 560 | 12.51 | 318 | 1.15 | 29.2 | 0.72 | 18.3 |
| | | 81.8 | 55 | 23.57 | 599 | 7.01 | 178 | 0.51 | 13.0 | 0.40 | 10.2 |
| 24" x 9" | 609.6 x 228.6 | 92.3 | 62 | 23.74 | 603 | 7.04 | 179 | 0.59 | 15.0 | 0.43 | 10.9 |
| | | 101.2 | 68 | 23.73 | 603 | 8.97 | 228 | 0.59 | 15.0 | 0.42 | 10.7 |
| | | 113.1 | 76 | 23.92 | 608 | 8.99 | 228 | 0.68 | 17.3 | 0.44 | 11.2 |
| | | 125.0 | 84 | 24.10 | 612 | 9.02 | 229 | 0.77 | 19.6 | 0.47 | 11.9 |
| 24" x 12 3/4" | 609.6 x 323.8 | 139.9 | 94 | 24.31 | 617 | 9.07 | 230 | 0.88 | 22.4 | 0.52 | 13.2 |
| | | 153.3 | 103 | 24.53 | 623 | 9.00 | 229 | 0.98 | 24.9 | 0.55 | 14.0 |
| | | 154.8 | 104 | 24.06 | 611 | 12.75 | 324 | 0.75 | 19.0 | 0.50 | 12.7 |
| | | 174.1 | 117 | 24.26 | 616 | 12.80 | 325 | 0.85 | 21.6 | 0.55 | 14.0 |
| 27" x 10" | 658.8 x 254.0 | 194.9 | 131 | 24.48 | 622 | 12.86 | 327 | 0.96 | 24.4 | 0.61 | 15.5 |
| | | 217.3 | 146 | 24.74 | 628 | 12.90 | 328 | 1.09 | 27.7 | 0.65 | 16.5 |
| | | 241.0 | 162 | 25.00 | 635 | 12.95 | 328 | 1.22 | 31.0 | 0.70 | 17.8 |
| | | 261.9 | 176 | 25.24 | 641 | 12.89 | 327 | 1.34 | 34.0 | 0.75 | 19.1 |
| 27" x 14" | 685.8 x 355.6 | 125.0 | 84 | 26.71 | 678 | 9.96 | 253 | 0.64 | 16.3 | 0.46 | 11.7 |
| | | 139.9 | 94 | 26.92 | 684 | 9.99 | 254 | 0.75 | 19.0 | 0.49 | 12.4 |
| | | 151.8 | 102 | 27.09 | 688 | 12.02 | 255 | 0.83 | 21.1 | 0.52 | 13.2 |
| | | 169.6 | 114 | 27.29 | 693 | 10.07 | 256 | 0.93 | 23.6 | 0.57 | 14.5 |
| 30" x 10 1/2" | 762.0 x 266.7 | 217.3 | 146 | 27.38 | 695 | 13.97 | 355 | 0.98 | 24.9 | 0.61 | 15.5 |
| | | 239.6 | 161 | 27.59 | 701 | 14.02 | 356 | 1.08 | 27.4 | 0.66 | 16.8 |
| | | 133.9 | 90 | 29.53 | 750 | 10.40 | 264 | 0.61 | 15.5 | 0.47 | 11.9 |
| | | 147.3 | 99 | 29.65 | 753 | 10.45 | 265 | 0.67 | 17.0 | 0.52 | 13.2 |
| 33" x 11 1/2" | 838.2 x 292.1 | 160.7 | 108 | 29.83 | 758 | 10.48 | 266 | 0.76 | 19.3 | 0.55 | 14.0 |
| | | 172.6 | 116 | 30.01 | 762 | 10.50 | 267 | 0.85 | 21.6 | 0.57 | 14.5 |
| | | 184.7 | 124 | 30.17 | 766 | 10.52 | 267 | 0.93 | 23.6 | 0.59 | 14.9 |
| | | 196.4 | 132 | 30.31 | 769 | 10.54 | 267 | 1.00 | 25.4 | 0.61 | 15.5 |
| 36" x 12" | 914.4 x 304.8 | 175.6 | 118 | 32.86 | 835 | 11.48 | 292 | 0.74 | 18.8 | 0.55 | 14.0 |
| | | 193.4 | 130 | 33.09 | 840 | 11.51 | 292 | 0.86 | 21.8 | 0.58 | 14.7 |
| | | 209.8 | 141 | 33.30 | 846 | 11.54 | 293 | 0.96 | 24.4 | 0.61 | 15.5 |
| | | 226.2 | 152 | 33.49 | 850 | 11.56 | 293 | 1.05 | 26.7 | 0.63 | 16.0 |
| 40" x 12" | 1016 x 304.8 | 200.9 | 135 | 35.55 | 903 | 11.95 | 304 | 0.79 | 20.1 | 0.60 | 15.2 |
| | | 223.2 | 150 | 35.85 | 911 | 11.98 | 304 | 0.94 | 23.9 | 0.63 | 16.0 |
| | | 238.1 | 160 | 36.01 | 915 | 12.00 | 305 | 1.02 | 25.9 | 0.65 | 16.5 |
| | | 253.3 | 170 | 36.17 | 918 | 12.03 | 306 | 1.10 | 27.9 | 0.68 | 17.2 |
| | | 312.5 | 210 | 36.69 | 932 | 12.18 | 309 | 1.36 | 34.5 | 0.83 | 21.1 |
| | | 221.7 | 149 | 38.20 | 970 | 11.81 | 300 | 0.83 | 21.1 | 0.63 | 16.0 |



ÁNGULOS

Ángulos a 6.10 mts. (20 pies)

| ESPESOR | ANCHO | ESPESOR | ANCHO | PESO |
|---------|---------|---------|---------|--------|
| Pulgada | | mm. | | kg / m |
| .109 | x 1 | 2.8 | x 25.4 | 1.05 |
| | x 1 1/4 | | x 31.7 | 1.33 |
| | x 1 1/2 | | x 38.1 | 1.61 |
| 1/8 | x 3/4 | 3.2 | x 19.0 | 0.88 |
| | x 1 | | x 25.4 | 1.19 |
| | x 1 1/4 | | x 31.7 | 1.50 |
| 3/16 | x 1 1/2 | | x 38.1 | 1.83 |
| | x 2 | | x 50.8 | 2.46 |
| | x 1 | 4.8 | x 25.4 | 1.73 |
| 1/4 | x 1 1/4 | | x 31.7 | 2.20 |
| | x 1 1/2 | | x 38.1 | 2.68 |
| | x 1 3/4 | | x 44.4 | 3.15 |
| 5/16 | x 2 | | x 50.8 | 3.63 |
| | x 2 1/2 | | x 63.5 | 4.57 |
| | x 3 | | x 76.2 | 5.52 |
| 7/16 | x 1 | 6.3 | x 25.4 | 2.22 |
| | x 1 1/4 | | x 31.7 | 2.86 |
| | x 1 1/2 | | x 38.1 | 3.48 |
| 3/8 | x 2 | | x 50.8 | 4.75 |
| | x 2 1/2 | | x 63.5 | 6.10 |
| | x 3 | | x 76.2 | 7.29 |
| 1/2 | x 4 | | x 101.6 | 9.82 |
| | x 3 | 7.9 | x 76.2 | 9.08 |
| | x 4 | | x 101.6 | 12.20 |
| 5/8 | x 2 | | x 50.8 | 6.99 |
| | x 2 1/2 | | x 63.5 | 8.78 |
| | x 3 | | x 76.2 | 10.71 |
| 3/4 | x 4 | | x 101.6 | 14.58 |
| | x 5 | | x 127.0 | 18.30 |
| | x 6 | | x 152.4 | 22.17 |
| 7/8 | x 3 | 12.7 | x 76.2 | 13.99 |
| | x 4 | | x 101.6 | 19.05 |
| | x 6 | | x 152.4 | 29.16 |
| 1 | x 4 | | x 101.6 | 19.05 |
| | x 6 | | x 152.4 | 29.16 |

Se manejan en Acero A-36 ó A-529°50

Ángulos a 12.20 mts. (40 pies)

| ESPESOR | ANCHO | ESPESOR | ANCHO | PESO |
|---------|---------|---------|---------|--------|
| Pulgada | | mm. | | kg / m |
| .109 | x 1 | 2.8 | x 25.4 | 1.05 |
| | x 1 1/4 | | x 31.7 | 1.33 |
| | x 1 1/2 | | x 38.1 | 1.61 |
| 1/8 | x 1 1/2 | 3.2 | x 38.1 | 1.83 |
| | x 1 3/4 | | x 44.4 | 2.14 |
| | x 2 | | x 50.8 | 2.46 |
| 3/16 | x 1 3/4 | 4.8 | x 44.4 | 3.15 |
| | x 2 | | x 50.8 | 3.63 |
| | x 2 1/2 | | x 63.5 | 4.57 |
| 1/4 | x 3 | | x 76.2 | 5.52 |
| | x 1 3/4 | 6.3 | x 44.4 | 4.12 |
| | x 2 | | x 50.8 | 4.75 |
| 5/16 | x 2 1/2 | | x 63.5 | 6.10 |
| | x 3 | | x 76.2 | 7.29 |
| | x 3 1/2 | | x 88.9 | 8.63 |
| 3/8 | x 4 | | x 101.6 | 9.82 |
| | x 3 | 7.9 | x 76.2 | 9.08 |
| | x 3 1/2 | | x 88.9 | 10.71 |
| 7/16 | x 4 | | x 101.6 | 12.20 |
| | x 5 | | x 127.0 | 15.32 |
| | x 6 | | x 152.4 | 18.45 |
| 1/2 | x 3 | 9.5 | x 76.2 | 10.71 |
| | x 3 1/2 | | x 88.9 | 12.64 |
| | x 4 | | x 101.6 | 14.58 |
| 5/8 | x 5 | | x 127.0 | 18.30 |
| | x 6 | | x 152.4 | 22.17 |
| | x 8 | | x 203.2 | 39.28 |
| 3/4 | x 8 | | x 203.2 | 44.05 |
| | x 4 | 15.9 | x 101.6 | 23.36 |
| | x 6 | | x 152.4 | 36.01 |
| 7/8 | x 8 | | x 203.2 | 48.66 |
| | x 6 | 19.0 | x 152.4 | 42.71 |
| | x 8 | | x 203.2 | 57.88 |
| 1 | x 8 | 22.2 | x 203.2 | 66.96 |
| | x 6 | 25.4 | x 152.4 | 55.65 |
| | x 8 | | x 203.2 | 75.89 |
| 11/8 | x 8 | 28.6 | x 203.2 | 84.67 |

Se manejan en Acero A-572°50 ó A-529°50

HSS A-500°B LIM. ELÁSTICO 46.000 PSI (lb/in2)

| DIMENSIONES EXTERIORES | | ESPESOR | | PESO | |
|------------------------|-----------|---------|------|---------|--------|
| Pulgada | mm. | Pulgada | mm. | kg/pza. | kg/m |
| 4" x 4" | 102 x 102 | 0.312 | 7.9 | 270 | 22.13 |
| | | 0.375 | 9.5 | 314 | 25.73 |
| | | 0.375 | 9.5 | 406 | 33.27 |
| 6" x 4" | 152 x 102 | 0.187 | 4.7 | 264 | 21.63 |
| | | 0.250 | 6.3 | 346 | 28.36 |
| | | 0.312 | 7.9 | 424 | 34.75 |
| 6" x 6" | 125 x 152 | 0.375 | 9.5 | 500 | 40.98 |
| | | 0.500 | 12.7 | 640 | 52.45 |
| | | 0.187 | 4.7 | 264 | 21.63 |
| 8" x 4" | 203 x 102 | 0.250 | 6.3 | 346 | 28.36 |
| | | 0.375 | 9.5 | 500 | 40.98 |
| | | 0.500 | 12.7 | 640 | 52.45 |
| 8" x 6" | 203 x 152 | 0.250 | 6.3 | 408 | 33.44 |
| | | 0.375 | 9.5 | 592 | 48.52 |
| | | 0.187 | 4.7 | 356 | 29.18 |
| 8" x 8" | 203 x 203 | 0.250 | 6.3 | 470 | 38.52 |
| | | 0.312 | 7.9 | 578 | 47.37 |
| | | 0.375 | 9.5 | 684 | 56.06 |
| 10" x 6" | 254 x 152 | 0.500 | 12.7 | 888 | 72.78 |
| | | 0.187 | 4.7 | 358 | 29.34 |
| | | 0.250 | 6.4 | 470 | 38.52 |
| 10" x 10" | 254 x 254 | 0.375 | 9.5 | 685 | 56.14 |
| | | 0.187 | 4.7 | 450 | 36.88 |
| | | 0.250 | 6.3 | 592 | 48.52 |
| 12" x 6" | 305 x 152 | 0.312 | 7.9 | 734 | 60.16 |
| | | 0.375 | 9.5 | 870 | 71.31 |
| | | 0.500 | 12.7 | 1,134 | 92.96 |
| 12" x 8" | 305 x 203 | 0.375 | 9.5 | 778 | 63.77 |
| | | 0.375 | 9.5 | 870 | 71.31 |
| | | 0.500 | 12.7 | 1,134 | 92.96 |
| 12" x 12" | 305 x 305 | 0.250 | 6.3 | 716 | 58.68 |
| | | 0.312 | 7.9 | 888 | 72.79 |
| | | 0.375 | 9.5 | 1,056 | 86.55 |
| 14" x 14" | 356 x 356 | 0.500 | 12.7 | 1,382 | 113.27 |
| | | 0.625 | 15.9 | 1,694 | 138.85 |
| | | 0.375 | 9.5 | 1,240 | 101.64 |
| 16" x 16" | 406 x 406 | 0.500 | 12.7 | 1,628 | 133.44 |
| | | 0.625 | 15.9 | 1,998 | 163.77 |
| | | 0.375 | 9.5 | 1,426 | 116.89 |
| | | 0.500 | 12.7 | 1,876 | 153.77 |
| | | 0.625 | 15.9 | 2,312 | 189.51 |

Largos de 6.10 (20") y de 12.20 (40")



PTR

| DIMENSIONES EXTERIORES | | ESPESOR | | COLOR DE IDENTIFICACIÓN | PESO |
|------------------------|----------------------|---------|-----|-------------------------|-------|
| Pulgada | mm. | Pulgada | mm. | | kg/m |
| 3/4" x 3/4" 1" x 1" | 19 x 19 25 x 25 | 0.048 | 1.2 | C18 | 0.70 |
| | | 0.048 | 1.2 | C18 | 0.95 |
| | | 0.075 | 1.9 | C14 | 1.33 |
| | | 0.105 | 2.7 | Verde | 1.76 |
| | | 0.135 | 3.4 | Rojo | 2.13 |
| 1 1/4" x 1 1/4" | 32 x 32 | 0.048 | 1.2 | C18 | 1.22 |
| | | 0.075 | 1.9 | C14 | 1.71 |
| | | 0.075 | 1.9 | C14 | 2.09 |
| 1 1/2" x 1 1/2" | 38 x 38 | 0.048 | 1.2 | C18 | 1.47 |
| | | 0.075 | 1.9 | C14 | 2.09 |
| | | 0.105 | 2.7 | Blanco | 2.82 |
| | | 0.120 | 3.0 | Verde | 3.17 |
| | | 0.150 | 3.8 | Rojo | 3.81 |
| 2" x 1" 2" x 2" | 51 x 25 51 x 51 | 0.075 | 1.9 | C14 | 2.09 |
| | | 0.048 | 1.2 | C18 | 1.96 |
| | | 0.075 | 1.9 | C14 | 2.85 |
| | | 0.105 | 2.7 | Blanco | 3.89 |
| | | 0.120 | 3.0 | Verde | 4.38 |
| 2 1/2" x 2 1/2" | 64 x 64 | 0.150 | 3.8 | Rojo | 5.33 |
| | | 0.120 | 3.0 | Blanco | 5.60 |
| | | 0.135 | 3.4 | Verde | 6.23 |
| | | 0.180 | 4.6 | Rojo | 8.00 |
| | | 0.075 | 1.9 | C14 | 3.23 |
| 3" x 1 1/2" 3" x 2" | 76 x 38 76 x 51 | 0.120 | 3.0 | Blanco | 5.60 |
| | | 0.135 | 3.4 | Verde | 6.23 |
| | | 0.180 | 4.6 | Rojo | 8.00 |
| | | 0.120 | 3.0 | Blanco | 6.81 |
| | | 0.150 | 3.8 | Verde | 8.37 |
| 3" x 3" | 76 x 76 | 0.180 | 4.6 | Rojo | 9.81 |
| | | 0.250* | 6.3 | 1/4 | 13.11 |
| | | 0.120 | 3.0 | Blanco | 8.03 |
| | | 0.150 | 3.8 | Verde | 9.89 |
| | | 0.180 | 4.6 | Rojo | 11.62 |
| 3 1/2" x 3 1/2" | 89 x 89 | 0.250* | 6.3 | Azul | 15.64 |
| | | 0.075 | 1.9 | C14 | 3.99 |
| | | 0.120 | 3.0 | Blanco | 6.81 |
| | | 0.150 | 3.8 | Verde | 8.37 |
| | | 0.180 | 4.6 | Rojo | 9.81 |
| 4" x 1 1/2" 4" x 2" | 102 x 38 102 x 51 | 0.120 | 3.0 | Blanco | 6.81 |
| | | 0.150 | 3.8 | Verde | 8.37 |
| | | 0.180 | 4.6 | Rojo | 9.81 |
| | | 0.120 | 3.0 | Blanco | 8.03 |
| | | 0.150 | 3.8 | Verde | 9.89 |
| 4" x 3" | 102 x 76 | 0.180 | 4.6 | Rojo | 11.62 |
| | | 0.250* | 6.3 | 1/4 | 15.64 |
| | | 0.120 | 3.0 | Blanco | 9.24 |
| | | 0.180* | 4.6 | Rojo | 13.44 |
| | | 0.250* | 6.3 | Azul | 18.18 |
| 5" x 5" | 127 x 127 | 0.180* | 4.6 | Rojo | 17.06 |
| | | 0.250* | 6.3 | Azul | 23.24 |
| | | 0.120 | 3.0 | Blanco | 11.68 |
| | | 0.180 | 4.6 | Rojo | 17.06 |
| | | 0.250* | 6.3 | Azul | 23.21 |

SOLERAS

Soleras a 6.10 mts. (20 pies)

| ESPESOR | ANCHO | ESPESOR | ANCHO | PESO |
|---------|---------|---------|--------|--------|
| Pulgada | | mm. | | kg / m |
| 1/8 | x 1/2 | 3.2 | x 12.7 | 0.32 |
| | x 3/4 | x 19.0 | 0.47 | |
| | x 1 | x 25.4 | 0.63 | |
| | x 1 1/4 | x 31.7 | 0.79 | |
| | x 1 1/2 | x 38.1 | 0.95 | |
| 3/16 | x 2 | x 50.8 | 1.27 | |
| | x 1/2 | 4.8 | x 12.7 | 0.47 |
| | x 3/4 | x 19.0 | 0.71 | |
| | x 1 | x 25.4 | 0.95 | |
| | x 1 1/4 | x 31.7 | 1.19 | |
| 1/4 | x 1 1/2 | x 38.1 | 1.42 | |
| | x 2 | x 50.8 | 1.90 | |
| | x 1 | 6.3 | x 25.4 | 1.27 |
| | x 1 1/4 | x 31.7 | 1.58 | |
| | x 1 1/2 | x 38.1 | 1.90 | |
| 3/8 | x 2 | x 50.8 | 2.53 | |
| | x 2 1/2 | x 63.5 | 3.17 | |
| | x 3 | x 76.2 | 3.79 | |
| | x 4 | x 101.6 | 5.06 | |
| | x 5 | x 127.0 | 6.32 | |
| 1/2 | x 6 | x 152.4 | 7.59 | |
| | x 8 | x 203.2 | 10.13 | |
| | x 10 | x 254.0 | 12.66 | |
| | x 12 | x 304.8 | 15.18 | |
| 5/8 | x 1 | 9.5 | x 25.4 | 1.90 |
| | x 1 1/4 | x 31.7 | 2.38 | |
| | x 1 1/2 | x 38.1 | 2.84 | |
| | x 2 | x 50.8 | 3.79 | |
| | x 2 1/2 | x 63.5 | 4.75 | |
| 3/4 | x 3 | x 76.2 | 5.70 | |
| | x 4 | x 101.6 | 7.59 | |
| | x 5 | x 127.0 | 9.49 | |
| | x 6 | x 152.4 | 11.40 | |
| | x 8 | x 203.2 | 15.18 | |
| 7/8 | x 10 | x 254.0 | 18.99 | |
| | x 12 | x 304.8 | 22.80 | |

Se manejan en Acero A-36

Soleras a 6.10 mts. (20 pies)

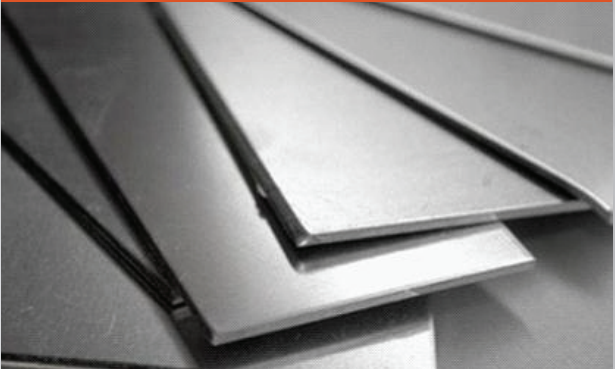
| ESPESOR | ANCHO | ESPESOR | ANCHO | PESO |
|---------|---------|---------|--------|--------|
| Pulgada | | mm. | | kg / m |
| 1/2 | x 1 | 12.7 | x 25.4 | 2.53 |
| | x 1 1/2 | x 38.1 | 3.79 | |
| | x 2 | x 50.8 | 5.06 | |
| | x 2 1/2 | x 63.5 | 6.32 | |
| | x 3 | x 76.2 | 7.59 | |
| 5/8 | x 4 | x 101.6 | 10.13 | |
| | x 5 | x 127.0 | 12.66 | |
| | x 6 | x 152.4 | 15.18 | |
| | x 8 | x 203.2 | 20.24 | |
| | x 10 | x 254.0 | 25.33 | |
| 3/4 | x 12 | x 304.8 | 30.36 | |
| | x 3 | 15.9 | x 76.2 | 9.49 |
| | x 4 | x 101.6 | 12.66 | |
| | x 5 | x 127.0 | 15.83 | |
| | x 6 | x 152.4 | 18.99 | |
| 7/8 | x 8 | x 203.2 | 25.33 | |
| | x 10 | x 254.0 | 31.66 | |
| | x 12 | x 304.8 | 37.97 | |
| 1 | x 1 1/2 | 19.0 | x 38.1 | 5.70 |
| | x 2 | x 50.8 | 7.59 | |
| | x 2 1/2 | x 63.5 | 9.49 | |
| | x 3 | x 76.2 | 11.40 | |
| | x 4 | x 101.6 | 15.18 | |
| 1 1/8 | x 5 | x 127.0 | 18.99 | |
| | x 6 | x 152.4 | 22.80 | |
| | x 8 | x 203.2 | 30.36 | |
| | x 10 | x 254.0 | 37.97 | |
| | x 12 | x 304.8 | 45.59 | |
| 1 1/4 | x 2 | 25.4 | x 50.8 | 10.13 |
| | x 3 | x 76.2 | 15.18 | |
| | x 4 | x 101.6 | 20.27 | |
| | x 6 | x 152.4 | 30.36 | |
| | x 8 | x 203.2 | 40.53 | |
| 1 1/2 | x 10 | x 254.0 | 50.65 | |
| | x 12 | x 304.8 | 60.71 | |

Se manejan en Acero A-36

Soleras a 12.20 mts. (40 pies)

| ESPESOR | ANCHO | ESPESOR | ANCHO | PESO |
|---------|-------|---------|---------|--------|
| Pulgada | | mm. | | kg / m |
| 5/16 | x 6 | 7.9 | x 152.4 | 9.49 |
| | x 8 | x 203.2 | 12.65 | |
| | x 10 | x 254.0 | 15.77 | |
| | x 12 | x 304.8 | 18.89 | |
| | x 14 | x 355.6 | 22.01 | |
| 3/8 | x 6 | 9.5 | x 152.4 | 11.40 |
| | x 8 | x 203.2 | 15.18 | |
| | x 10 | x 254.0 | 18.99 | |
| | x 12 | x 304.8 | 22.80 | |
| | x 14 | x 355.6 | 26.61 | |
| 1/2 | x 6 | 12.7 | x 152.4 | 15.18 |
| | x 8 | x 203.2 | 20.24 | |
| | x 10 | x 254.0 | 25.33 | |
| | x 12 | x 304.8 | 30.36 | |
| | x 14 | x 355.6 | 35.39 | |
| 5/8 | x 6 | 15.9 | x 152.4 | 18.99 |
| | x 8 | x 203.2 | 25.33 | |
| | x 10 | x 254.0 | 31.66 | |
| | x 12 | x 304.8 | 37.97 | |
| | x 14 | x 355.6 | 44.28 | |
| 3/4 | x 8 | 19.0 | x 203.2 | 30.35 |
| | x 10 | x 254.0 | 37.97 | |
| | x 12 | x 304.8 | 45.59 | |
| | x 14 | x 355.6 | 53.21 | |
| | x 16 | x 406.4 | 60.83 | |
| 7/8 | x 8 | 25.4 | x 203.2 | 40.47 |
| | x 10 | x 254.0 | 50.65 | |
| | x 12 | x 304.8 | 60.71 | |
| | x 14 | x 355.6 | 70.87 | |
| | x 16 | x 406.4 | 81.03 | |

Se manejan en Acero A-529*55



REDONDOS Y CUADRADOS

| Pulgadas | mm. | Redondos (kg/m) | Cuadrados (kg/m) |
|----------|------|-----------------|------------------|
| 3/8 | 9.5 | 0.56 | 0.71 |
| 12 mm. | 12.0 | ----- | 1.20 |
| 1/2 | 12.7 | 0.99 | 1.27 |
| 5/8 | 15.9 | 1.55 | 1.98 |
| 3/4 | 19.0 | 2.24 | 2.85 |
| 7/8 | 22.2 | 3.04 | ----- |
| 1 | 25.4 | 3.98 | 5.06 |
| 1 1/8 | 28.6 | 5.03 | ----- |
| 1 1/4 | 31.7 | 6.21 | ----- |
| 1 1/2 | 38.1 | 8.95 | 11.39 |
| 1 3/4 | 44.4 | 12.18 | ----- |
| 2 | 50.8 | 15.91 | 20.25 |
| 2 1/2 | 63.5 | 24.85 | ----- |
| 3 | 76.2 | 35.78 | ----- |

REDONDO BRILLANTE (Semiflecha)

| Pulgadas | mm. | kg/m |
|----------|------|------|
| 3/16 | 4.8 | 0.14 |
| 1/4 | 6.3 | 0.25 |
| 5/16 | 7.9 | 0.39 |
| 3/8 | 9.53 | 0.56 |

POLÍN

| Perfil | Dimensiones | kg/m | Largo (m) |
|--------------|--------------|-------|-----------|
| 3 Cal 14 | 3" x 1 1/2" | 2.40 | 6 |
| 4 Cal 14 | 4" x 2" | 3.18 | 6 |
| 5 Cal 14 | 5" x 2" | 3.55 | 6 |
| 6 Cal 14* | 6" x 2" | 4.16 | 6 |
| 6 Cal 12 | 6" x 2" | 5.66 | 6 |
| 8 Cal 14* | 8" x 2 3/4" | 5.37 | 8 |
| 8 Cal 12 | 8" x 2 3/4" | 7.62 | 8 |
| 8 Cal 10 | 8" x 2 3/4" | 9.62 | 8 |
| 10 Cal 14*** | 10" x 2 3/4" | 6.20 | 10 |
| 10 Cal 14** | 10" x 3 1/2" | 7.03 | 10 |
| 10 Cal 12 | 10" x 2 3/4" | 8.70 | 10 |
| 10 Cal 10 | 10" x 2 3/4" | 11.10 | 10 |
| 12 Cal 14 | 12" x 3 1/2" | 7.60 | 12 |
| 12 Cal 12 | 12" x 3 1/2" | 10.83 | 12 |
| 12 Cal 10 | 12" x 3 1/2" | 13.83 | 12 |

Fabricación en largos especiales
SOLICITA TU COTIZACIÓN